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***** Welcome to STN International *****

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:05:26 ON 05 OCT 2010

=> FIL REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 13:05:56 ON 05 OCT 2010

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 OCT 2010 HIGHEST RN 1245235-98-6
DICTIONARY FILE UPDATES: 4 OCT 2010 HIGHEST RN 1245235-98-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdnoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10579854\1.str



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chain nodes :
7  8  9  10 11 12 13 15
ring nodes :
1  2  3  4  5  6
chain bonds :
2-7  4-9  6-8  7-15  9-10  9-13  10-11  10-12
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6
exact/norm bonds :
2-7  7-15  9-13  10-11  10-12
exact bonds :
4-9  6-8  9-10
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6
isolated ring systems :
containing 1 :

```

G1:H,Ak

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 15:CLASS

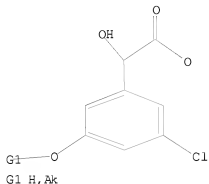
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L1 STRUCTURE UPLOADED

=> D

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L1

SAMPLE SEARCH INITIATED 13:06:14 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 56 TO ITERATE

100.0% PROCESSED 56 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 671 TO 1569

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> S L1 FULL

FULL SEARCH INITIATED 13:06:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1225 TO ITERATE

100.0% PROCESSED 1225 ITERATIONS 43 ANSWERS
SEARCH TIME: 00.00.01

L3 43 SEA SSS FUL L1

=> FIL CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

191.54

191.76

FILE 'CAPLUS' ENTERED AT 13:06:20 ON 05 OCT 2010

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FILE COVERS 1907 - 5 Oct 2010 VOL 153 ISS 15
FILE LAST UPDATED: 4 Oct 2010 (20101004/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

CASplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

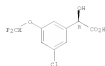
This file contains CAS Registry Numbers for easy and accurate substance identification.

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L4          9 L3

=> D IBIB ABS HITSTR TOT
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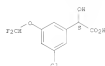

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LEO5 DISPLAY FORMAT
 OTHER SOURCE(S): MARPAT 143,59672
 A6 The invention relates to a new process for the resolution of mandelic acid
 derivative by formation of a salt with a D- or L-cyclic amide (4-4-membered
 ring). The resolved mandelic acid derivative, (including metal and anion
 salts) are intermediates suitable for large-scale manufacture of
 pharmaceutical
 compounds. Thus, 3-chloro-5-(difluoromethoxy)mandelic acid was treated with
 D-prolineamide in Et acetate containing 9.14 at reflux for 10 min and the
 solution
 cooled to 25°C over 13 h. The resulting filtered salt was decomposed
 by treatment with a 1:1 mixture of 1 M HCl and Et acetate to afford
 (R)-3-chloro-5-(difluoromethoxy)mandelic acid.
 IT 433938-42-3 853782-50-0P
 R1: PEP (Purification or recovery); PREP (Preparation)
 (resolution of mandelic acids by salt formation with prolineamide)
 R2 433938-42-3 CAPLUS
 CH Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
 (sR)- (CA INDEX NAME)

Absolute stereochemistry.



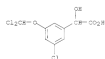
R2 853782-50-0 CAPLUS
 CH Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
 (sR)- (CA INDEX NAME)

Absolute stereochemistry.

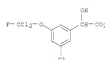


IT 433938-41-3 433938-89-8 433938-01-6
 853782-62-4 853782-63-5
 R1: RCT (Reactant); RACT (Reactant or reagent)

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



R2 853782-63-5 CAPLUS
 CH Benzeneacetic acid, 3-chloro-5-(dichlorodifluoromethoxy)- α -hydroxy-,
 (CA INDEX NAME)

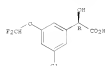


IT 853782-51-3P
 R1: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (resolution of mandelic acids by salt formation with prolineamide)
 R2 853782-51-1 CAPLUS
 CH Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
 (sR)-, compd. with (2R)-2-pyrrolidinecarboxamide (1:1) (CA INDEX
 NAME)

CH 1

CHN 433938-42-2
 CNP CF BT Cl F2 O4

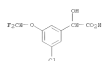
Absolute stereochemistry.



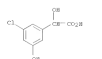
CH 2

CHN 433938-43-5
 CNP CF BT O H2 O

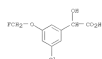
L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
 (resolution of mandelic acids by salt formation with prolineamide)
 R2 433938-41-1 CAPLUS
 CH Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, (CA
 INDEX NAME)



R2 433938-36-8 CAPLUS
 CH Benzeneacetic acid, 3-chloro- α ,5-diethoxy- (CA INDEX NAME)



R2 433939-01-4 CAPLUS
 CH Benzeneacetic acid, 3-chloro-5-(fluoromethoxy)- α -hydroxy-, (CA INDEX
 NAME)



R2 853782-62-4 CAPLUS
 CH Benzeneacetic acid, 3-chloro-5-(dichloromethoxy)- α -hydroxy-, (CA
 INDEX NAME)

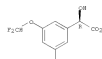
L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

Absolute stereochemistry. Rotation (+).



IT 853782-52-2P 853782-53-2P 853782-54-4P
 853782-55-5P 853782-56-6P 853782-57-7P
 853782-58-8P 853782-59-9P 853782-60-2P
 853782-61-3P
 R1: SPN (Synthetic preparation); PREP (Preparation)
 (resolution of mandelic acids by salt formation with prolineamide)
 R2 853782-52-2 CAPLUS
 CH Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, calcium
 salt (2:1), (sR)- (CA INDEX NAME)

Absolute stereochemistry.



● 1/2 Ca

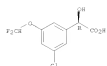
R2 853782-63-3 CAPLUS
 CH Benzeneacetic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
 (sR)-, compd. with 2,2',2''-nitrotriethyl[ethanol] (1:1) (PCT) (CA
 INDEX NAME)

CH 1

CHN 433938-42-2
 CNP CF BT Cl F2 O4

Absolute stereochemistry.

14 ANSWER 2 OF 9 CAPLOS COPYRIGHT 2010 ACS on STN (Continued)



CN 2

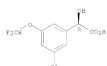
CIN 102-77-6
CNP C6 H15 N O3

RII 85782-54-4 CAPLOS
CN Benzoic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, (aR)-, compd. with 2,2,6,6-tetramethyl-3-piperidino [1:1] (CA INDEX NAME)

CN 1

CIN 43338-42-2
CNP C9 H7 Cl F2 O4

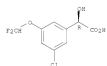
Absolute stereochemistry.



CN 2

CIN 2403-88-5
CNP C9 H19 N O

14 ANSWER 2 OF 9 CAPLOS COPYRIGHT 2010 ACS on STN (Continued)



CN 2

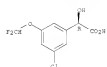
CIN 106-58-1
CNP C6 H14 N2

RII 85782-57-7 CAPLOS
CN Benzoic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, compd. with 2,4,6-trimethylpyridine [1:1], (aR)- (CA INDEX NAME)

CN 1

CIN 43338-42-2
CNP C9 H7 Cl F2 O4

Absolute stereochemistry.



CN 2

CIN 108-75-8
CNP C8 H11 N

14 ANSWER 2 OF 9 CAPLOS COPYRIGHT 2010 ACS on STN (Continued)

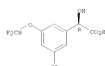


RII 85782-55-5 CAPLOS
CN Benzoic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, (aR)-, compd. with piperazine [1:1] (C1) (CA INDEX NAME)

CN 1

CIN 43338-42-2
CNP C9 H7 Cl F2 O4

Absolute stereochemistry.



CN 2

CIN 110-85-0
CNP C4 H10 N2

RII 85782-56-6 CAPLOS
CN Benzoic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, compd. with 1,4-dimethylpiperazine [1:1], (aR)- (CA INDEX NAME)

CN 1

CIN 43338-42-2
CNP C9 H7 Cl F2 O4

Absolute stereochemistry.

14 ANSWER 2 OF 9 CAPLOS COPYRIGHT 2010 ACS on STN (Continued)

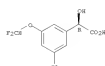


RII 85782-58-8 CAPLOS
CN Benzoic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, (aR)-, compd. with 1,2,2,6,6-pentamethyl-4-piperidino [1:1] (CA INDEX NAME)

CN 1

CIN 43338-42-2
CNP C9 H7 Cl F2 O4

Absolute stereochemistry.



CN 2

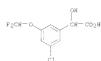
CIN 2403-89-6
CNP C10 H21 N O

RII 85782-59-9 CAPLOS
CN Benzoic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, compd. with 2,2',2''-nitrolotris[ethanol] [1:1] (P1) (CA INDEX NAME)

CN 1

CIN 43338-41-1
CNP C9 H7 Cl F2 O4

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STM (Continued)



CN 2

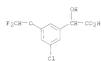
CN 102-73-6
CN C4 B11 N Q3



RE 557382-43-3 CAPLUS
CN Benzenesulfonic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy-, compd. with 1,2,4,5-tetrakis(methyl)-s-pyridazine (1:1) (CA INDEX NAME)

CN 1

CN 433938-43-1
CN C9 B7 C1 F2 Q4



CN 2

CN 109-75-8
CN C8 B11 N

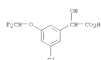
L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STM (Continued)



RE 557382-43-3 CAPLUS
CN Benzenesulfonic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy-, compd. with 1,2,4,5-tetrakis(methyl)-s-pyridazine (1:1) (CA INDEX NAME)

CN 1

CN 433938-43-1
CN C9 B7 C1 F2 Q4



CN 2

CN 2403-59-6
CN C10 B11 N O



ON CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STM

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

Carbanion derivative salts preparation as prodrug
Nigamati, Manji; Nishii, Mariko; Inghardt, Toshi; Lindblad, Arnt; Sigfridsson, Carl-Gustaf
Antiviral Res. 2004, 62, 108-118.
DOI: 10.1016/j.antiviral.2004.03.002

INVENTOR(S):

PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE:

LANGUAGE:

FAMILY AC. NUM. COUNT:

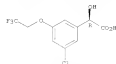
PATENT INFORMATION:

PATENT NO.	Kind	DATE	APPLICATION NO.	DATE
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EP 1513862	B1	20030516	EP 2003-078206	20030527
JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
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JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
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US 6,400,000	A1	20031211	US 2003-08659	20030527
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US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
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JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
EP 1513862	B1	20030516	EP 2003-078206	20030527
JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
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JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
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JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
EP 1513862	B1	20030516	EP 2003-078206	20030527
JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
EP 1513862	B1	20030516	EP 2003-078206	20030527
JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
EP 1513862	B1	20030516	EP 2003-078206	20030527
JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
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JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
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CA 2487509	A1	20031211	CA 2003-2487509	20030527
EP 1513862	B1	20030516	EP 2003-078206	20030527
JP 4341440	A1	20030527	JP 2003-054212	20030527
US 6,400,000	A1	20031211	US 2003-08659	20030527
CA 2487509	A1	20031211	CA 2003-2487509	20030527
EP 1513862	B1	20030516	EP 2003-078206	20030527
JP 4341440	A1	20030527	JP 2003-054212	20030527

14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STN (Continued)

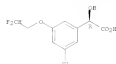
(aR)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



3R 433939-34-4 CAPLUS
C1 Benzenecarboxylic acid, 3-chloro-5-(2,2-difluoroethoxy)-4-hydroxy-, (aR)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

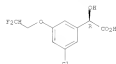


3R 433939-35-5 CAPLUS
C1 Benzenecarboxylic acid, 3-chloro-5-(2,2-difluoroethoxy)-4-hydroxy-, (aR)-, comp. with N,N-diethylethanamine (1:1) (PCI) (CA INDEX NAME)

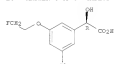
CH 1

CHN 433939-34-4
CHF C14 R3 Cl F2 O4

Absolute stereochemistry. Rotation (-).



14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STN (Continued)

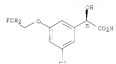


3R 433939-17-4 CAPLUS
C1 Benzenecarboxylic acid, 3-chloro-5-(2-fluoroethoxy)-4-hydroxy-, (aR)-, comp. with N,N-diethylethanamine (1:1) (PCI) (CA INDEX NAME)

CH 1

CHN 433939-16-3
CHF C10 R10 Cl F O4

Absolute stereochemistry.



CH 2

CHN 121-44-8
CHF C6 R15 N

Rt
Et-N-Et

3R 433939-24-3 CAPLUS
C1 Benzenecarboxylic acid, 3-chloro-5-[2-fluoro-1-(fluoromethyl)ethoxy]-4-hydroxy-, (aR)- (CA INDEX NAME)

Absolute stereochemistry.

14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STN (Continued)

CH 2

CHN 121-44-8
CHF C6 R15 N

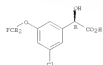
Rt
Et-N-Et

3R 433939-03-8 CAPLUS
C1 Benzenecarboxylic acid, 3-chloro-5-(fluoromethoxy)-4-hydroxy-, (aR)-, comp. with N,N-diethylethanamine (1:1) (PCI) (CA INDEX NAME)

CH 1

CHN 433939-02-7
CHF C9 R6 Cl F O4

Absolute stereochemistry.



CH 2

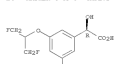
CHN 121-44-8
CHF C6 R15 N

Rt
Et-N-Et

3R 433939-16-3 CAPLUS
C1 Benzenecarboxylic acid, 3-chloro-5-(2-fluoroethoxy)-4-hydroxy-, (aR)- (CA INDEX NAME)

Absolute stereochemistry.

14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STN (Continued)



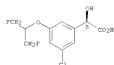
3R 433939-25-4 CAPLUS

C1 Benzenecarboxylic acid, 3-chloro-5-[2-fluoro-1-(fluoromethyl)ethoxy]-4-hydroxy-, (aR)-, comp. with N,N-diethylethanamine (1:1) (PCI) (CA INDEX NAME)

CH 1

CHN 433939-24-3
CHF C11 R11 Cl F2 O4

Absolute stereochemistry.



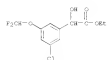
CH 2

CHN 121-44-8
CHF C6 R15 N

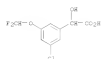
Rt
Et-N-Et

IT 433938-05-0
R1: RCT (Reactant); RACT (Reactant or reagent)
preparation of acetidinylbenzimidines and related compounds for
therapy of arrhythmia or coagulation controlled complications thereof
3R 433938-05-0 CAPLUS
C1 Benzenecarboxylic acid, 3-chloro-5-(difluoroethoxy)-4-hydroxy-, ethyl
water (CA INDEX NAME)

14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

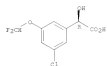


3T 433938-41-1P 433938-42-2P 433938-48-8P
 433938-84-2P 433938-91-1P 433938-98-8P
 433938-99-9P 433939-00-0P 433939-01-4P
 433939-11-9P 433939-21-0P
 3L4 ACS (Reactant); RM (Synthetic preparation); FREE (Preparation); SACT (Reactant or reagent)
 (preparation of acetylsalicylanilide and related compounds for combination therapy of arrhythmia or coagulation controlled complications thereof)
 3H 433939-41-1 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy- (CA INDEX NAME)



3H 433938-42-2 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy-, (e)- (CA INDEX NAME)

Absolute stereochemistry.



3H 433938-48-8 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy- (CA INDEX NAME)

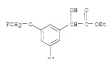
14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



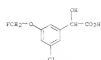
3H 433938-99-9 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy-, ethyl ester (CA INDEX NAME)



3H 433939-00-5 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy-, ethyl ester (CA INDEX NAME)



3H 433939-01-6 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy- (CA INDEX NAME)

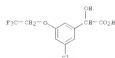


3H 433939-11-0 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy- (CA INDEX NAME)

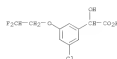
14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



3H 433938-84-2 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy- (CA INDEX NAME)

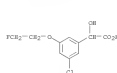


3H 433938-91-1 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy- (CA INDEX NAME)

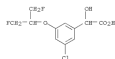


3H 433938-98-8 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)-4-hydroxy- (CA INDEX NAME)

14 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



3H 433939-21-0 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-[2-fluoro-1-(fluoromethyl)ethoxy]-4-hydroxy- (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD

REFERENCE COUNT: 2 (3 CITINGS)
 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE 14 FORMAT

L4 NUMBER 1 OF 5 CARLOS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2022:428874 CARLOS
 DOCUMENT NUMBER: 137:20289
 TITLE: New mandelic acid derivatives and their use as
 thrombin inhibitors
 INVENTOR(S): XXXXXXXXXXXXXXXXXXXX Anders; Svensson, Arne
 PATENT ASSIGNEE(S): Astracema AB, Sweden
 SOURCE: MCT Int. Appl., 204 pp.
 CLASS: B60G 1/00
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 PART OF A SERIES: YES
 COUNTRY:

[illegible][illegible][illegible]

ANIMSER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STN (Continued)

II

AS Mandelic acid derivative 1 [8 - substituted Phyl - CH₂ - COOH; N = CH₂, (di) isophenylene; Y = CH₂, CH=CH₂] and pharmacologically acceptable prodrugs thereof, were prepared for use as competitive inhibitors of

50 3,5-(1-(FC2CO)O4)C6H3CONHNH2 which was hydrolyzed and was converted to 3,5-(1-(FC2CO)O4)C6H3CONHNH2.

77 3,5-(1-(FC2CO)O4)C6H3CONHNH2 which was hydrolyzed and resolved with ligands to give (R)-3,5-(1-(FC2CO)O4)C6H3CONHNH2. This acid was used to acylate the acetonide fragment and deprotected to give the amide (R)-II which had an IC50 < 0.02 μM in the thrombin clotting time test.

83 439378-87

84 R. LTP (Hydroxy); R. LTP (Preparation)

85H 439378-85 CAPLUS

86H Benzamide derivative, 3-chloro-4-hydroxy-5-(1,2,2,2-tetrafluoroethyl)-, (aR)-, compd. with N,N-diethylethanolamine (1:1) (S1) (CA INDEX

CH 1

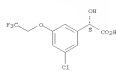
CH 1

CH 439378-86-4

CHP C10 m Cl PT 04

OTELER SOURCE (S): MARKPAT 137420289

Absolute stereochemistry.



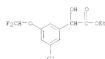
25

14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

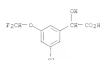
CHI 111-44-8
 CMF CG H15 N



IT 433938-40-0P 433938-41-1P 433938-42-3P
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 433938-55-3P 433938-81-1P 433938-94-4P
 433938-95-1P 433938-86-8P 433938-99-9P
 433939-00-3P 433939-01-6P 433939-03-8P
 433939-13-0P 433939-16-3P 433939-17-4P
 433939-12-0P 433939-24-3P 433939-25-4P
 212 AC (Reactant); 220 (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 Preparation of nontetrolactidimidecarbamides as thrombin inhibitors
 XN 433938-40-0 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-, ethyl
 ester (CA INDEX NAME)

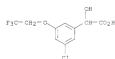


XN 433938-41-1 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy- (CA
 INDEX NAME)



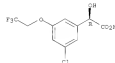
XN 433938-42-2 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(difluoromethoxy)- α -hydroxy-,
 (aR)- (CA INDEX NAME)

14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

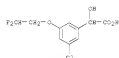


XN 433938-85-3 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro- α -hydroxy-5-(2,2,2-trifluoroethoxy)-,
 (aR)- (CA INDEX NAME)

Absolute stereochemistry. Notation (-).



XN 433938-91-1 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(2,2-difluoroethoxy)- α -hydroxy- (CA
 INDEX NAME)

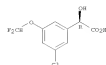


XN 433938-94-4 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(2,2-difluoroethoxy)- α -hydroxy-,
 (aR)- (CA INDEX NAME)

Absolute stereochemistry. Notation (-).

14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

Absolute stereochemistry.

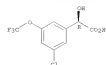


XN 433938-40-8 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro- α -hydroxy-5-(trifluoroethoxy)- (CA
 INDEX NAME)



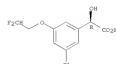
XN 433938-43-8 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro- α -hydroxy-5-(trifluoroethoxy)-,
 (aR)- (CA INDEX NAME)

Absolute stereochemistry.



XN 433938-84-2 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro- α -hydroxy-5-(2,2,2-trifluoroethoxy)-
 (CA INDEX NAME)

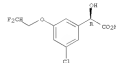
14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



XN 433938-95-5 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(2,2-difluoroethoxy)-b-hydroxy-,
 (aR)-, compd. with N,N-diethylethanamine (1:1) (PCI) (CA INDEX
 NAME)

CHI 1
 CHI 433938-94-4
 CMF C10 H9 Cl F2 O4

Absolute stereochemistry. Notation (-).



CHI 2
 CHI 111-44-8
 CMF CG H15 N



XN 433938-98-8 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro- α ,5-dihydroxy- (CA INDEX NAME)

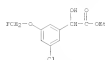
14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



XX 433938-99-3 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-hydroxy-, ethyl ester (CA INDEX NAME)

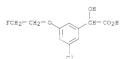


XX 433939-02-5 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(1-fluoroethoxy)-4-hydroxy-, ethyl ester (CA INDEX NAME)



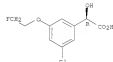
XX 433939-01-6 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(2-fluoroethoxy)-4-hydroxy- (CA INDEX NAME)

14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



XX 433939-16-3 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(2-fluoroethoxy)-4-hydroxy-, (aR)- (CA INDEX NAME)

Absolute stereochemistry.

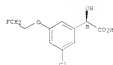


XX 433939-17-4 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(2-fluoroethoxy)-4-hydroxy-, (aS)-, compd. with N,N-diethylethanamine (1:1) (PC1) (CA INDEX NAME)

CH 1

CHN 433939-16-3
 CNF C10 R10 Cl F O4

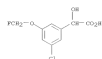
Absolute stereochemistry.



CH 2

CHN 121-44-8
 CNF C6 H15 N

14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

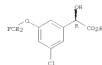


XX 433939-03-8 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(1-fluoroethoxy)-4-hydroxy-, (aR)-, compd. with N,N-diethylethanamine (1:1) (PC1) (CA INDEX NAME)

CH 1

CHN 433939-02-7
 CNF C9 H9 Cl F O4

Absolute stereochemistry.



CH 2

CHN 121-44-8
 CNF C6 H15 N

Rt

Et-N-Et

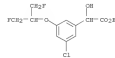
XX 433939-13-0 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-(2-fluoroethoxy)-4-hydroxy- (CA INDEX NAME)

14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

Rt

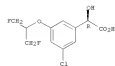
Et-N-Et

XX 433939-21-0 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-[2-fluoro-1-(1-fluoroethyl)ethoxy]-4-hydroxy- (CA INDEX NAME)



XX 433939-24-3 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-[2-fluoro-1-(1-fluoroethyl)ethoxy]-4-hydroxy-, (aR)- (CA INDEX NAME)

Absolute stereochemistry.



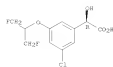
XX 433939-25-4 CAPLUS
 CH Benzenecarboxylic acid, 3-chloro-5-[2-fluoro-1-(1-fluoroethyl)ethoxy]-4-hydroxy-, (aR)-, compd. with N,N-diethylethanamine (1:1) (PC1) (CA INDEX NAME)

CH 1

CHN 433939-24-3
 CNF Cl1 H11 Cl F2 O4

Absolute stereochemistry.

14 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



22

CEN 121-44-4
CMT CG H15 3



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L4 ANSWER 8 OF 9 CAPLOS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1997:27054 CAPLOS
DOCUMENT NUMBER: 126:131298

ORIGINAL REFERENCE NO.: 126:25340h, 25349a
TITLE: preparation and bactericidal activity of
cephalosporins

INVENTOR(S): Aszodi, Jozsef; Chantot, Jean-Francois; Fauveau, Patrick; D'ambrieres, Solange G.; Humbert, Daniel; Dini, Christophe

PATENT ASSIGNER(S): Roussel-Uclaf, Fr.
SOURCE: U.S., 76 pp., Cont.-in-part of U.S. 5,455,230.

DOCUMENT TYPE:	CODES:
	Patent

[illegible]

14 ANSWER 8 OF 9 CAPLOS COPYRIGHT 2010 ACS on STN (Continued)

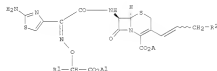
FR 1993-6975 A 19930610

US 1993-167192 A3 19931213

08 1995-453923 A3 19950530

001 1226-762400 83 12261210

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LQUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 126:131298



A: Synthesis of α -haloesters I | A and Al individually = neg. charge, H, alkali or alkaline earth metal; Mg, NH₄⁺ or amine; K1 = (un)substituted 3,4-di(hydroxy)thiophene, 2-amino-1,2,4-thiadiazole, (un)substituted phenyl;
 R2 = quaternary ammonium of (un)substituted heterocycles or alkylamines; R3 = 2,4-difluoro-3,4-dihydroxyphenyl, R4 = indano[2,3-a]pyridinyl (I2) as prepared in 5 steps by esterification of 2,4-difluoro-3,4-dihydroxyphenyl with 2-amino-1,2,4-thiadiazole, MeC1 protection of phenolindandisulfonate, hydrolysis, coupling with *o*-[2-(traphenylmethylamino)thio]L-glutamic acid, reaction with 4-aminophenyl; W = 2,4-difluoro-3,4-dihydroxyphenyl; 8-oxo-2'-oxo-2'-carboxylate hydrochloride, iodination, amidation with 4-amino-1,2,4-pyridine followed by saponification II
 ending

IT 152354-51-3P 152354-52-4P
 RL: RCT (Reaction): RPP (Synthesis Preparation): PREP (Preparation): RAC

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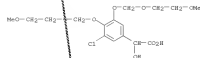
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[preparation and bactericidal activity of cephalosporins]

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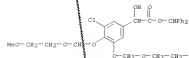
FBI 152354-52-3 CAPLUS

CN Benzeneacetic acid, 3-chloro- α -hydroxy-4,5-bis[1,2-

14 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



HN	152354-52-4	CAPLUS
CN	Benzoic acid, 3-chloro- α -hydroxy-4,5-bis[(2-methoxyethoxy)methoxy]-, diphenylmethyl ester (CA INDEX NAME)	



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08.CITING REF COUNT: 4  THERE ARE 4 CAPLUS RECORDS THAT CITE THIS
RECORD                (6 CITINGS)
REFERENCE COUNT:      6  THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
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14 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STM (Continued)
 ACCESSION NUMBER: 1994124440 CAPLUS
 DOCUMENT NUMBER: 120124440
 ORIGINAL REFERENCE NO.: 120124440, 43364
 TITLE: New cephalosporins comprising a 7-substituted benzoyloxymethyl group, processes of preparation thereof, and their application as medication
 INVENTOR(S): Anselmi, Clément; Chamot, Jean-François; Fournier, Patrick; Solanque, Gossin D. Annick; Humbert, Daniel
 PATENT ASSIGNER(S): Roussel-Uclaf, Fr.
 SOURCE: Can. Pat. Appl., 363 pp.
 DOCUMENT TYPE: OTHER SOURCE
 LANGUAGE: French
 FAMILY ACC. NUM. COUNTRY: 2
 PATENT INFORMATION: 1

14 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2010 ACS ON STM (Continued)
 JP 10027995 A 19980203 JP 1997-82414 19970317
 JP 1238951 B2 20000604
 GB 2024857 F3 20000208
 FR 1991-15416 A 19911212
 FR 1992-11520 A 19920928
 FR 1992-407761 A3 19921211
 FR 1992-352801 A3 19921214
 FR 1993-4975 A 19930610

OTHER SOURCE(S): MARPAT 120-24440
 C1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 2051177	A1	19990613	CA 1992-208137	19921211
FR 2684994	A1	19930109	FR 1991-18416	19911212
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FR 2686130	A1	19940401	FR 1992-11510	19920928
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EP 551074	A2	19930714	EP 1992-403361	19921211
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